

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684085

Luminaire Tested: **LX6C15D010 EX6C159050 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159050 6LCSWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

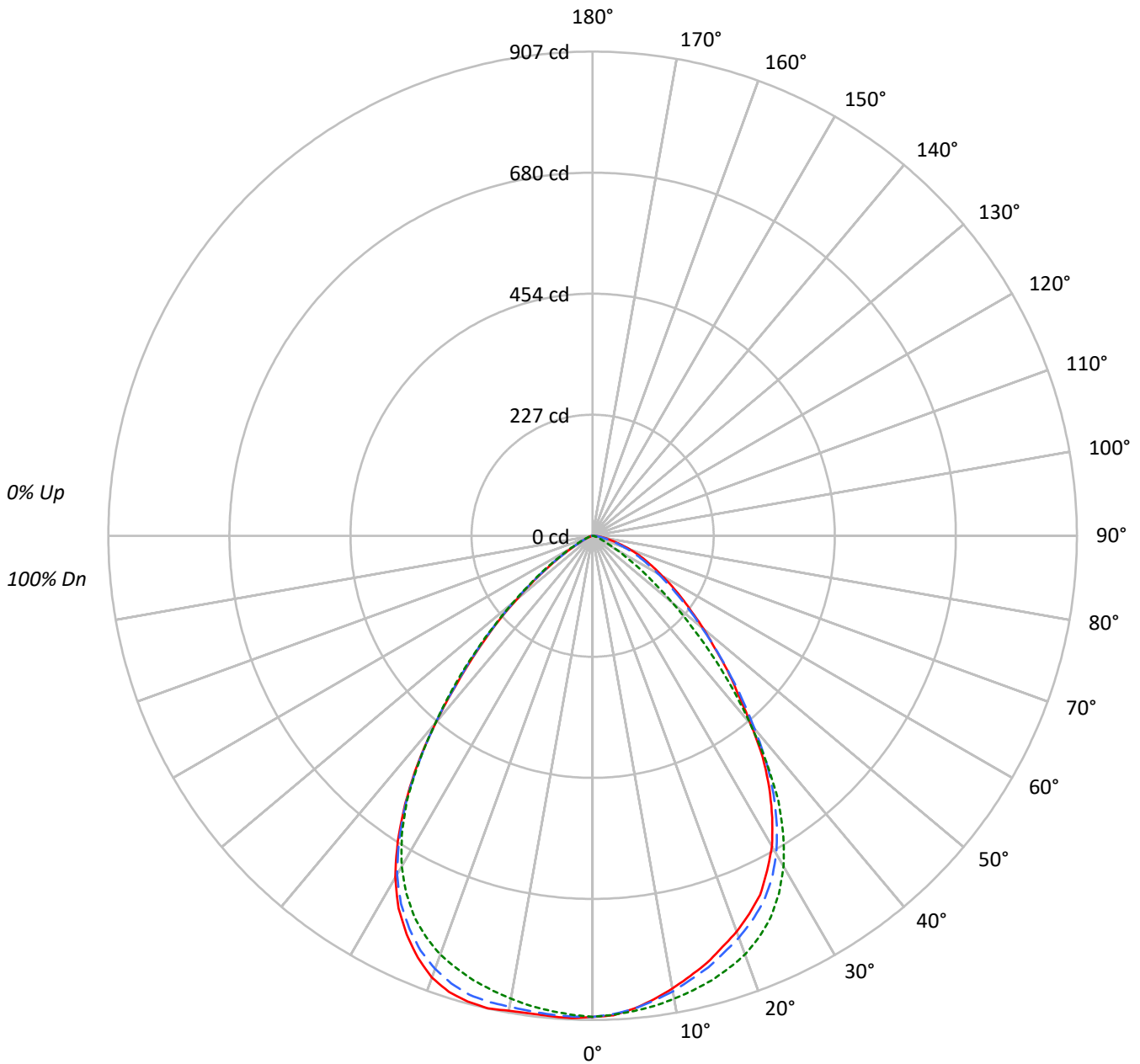
Lumens per Lamp: N/A
Luminaire Lumens: 1512.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

Luminous Intensity Polar Plot





TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80																			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64																			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58																			
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																			
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43																			
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40																			
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	49409	49409	49409
5°	48938	49174	49714
10°	47928	49019	50289
15°	47009	48922	51272
20°	46035	48701	51373
25°	44900	47731	49836
30°	42513	45266	46786
35°	38608	40575	40937
40°	32947	32790	32640
45°	27677	24553	23793
50°	23112	16614	15778
55°	19459	10198	9261
60°	16468	5372	4649
65°	14256	2828	2257
70°	11861	1747	1218
75°	8769	1144	699
80°	6882	695	347
85°	5472	692	0



TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.9	5.6
10°-20°	243.2	16.1
20°-30°	359.1	23.8
30°-40°	370.1	24.5
40°-50°	255.6	16.9
50°-60°	126.0	8.3
60°-70°	51.0	3.4
70°-80°	18.2	1.2
80°-90°	3.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	687.3	45.5
0°-40°	1057.4	69.9
0°-60°	1439.0	95.2
0°-90°	1512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1512.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	901	901	901	901	901	
5°	889	889	894	900	903	84
15°	828	837	862	890	903	233
25°	742	756	789	812	824	339
35°	577	591	606	610	612	357
45°	357	359	317	312	307	276
55°	204	196	107	100	97	184
65°	110	99	22	17	17	109
75°	41	35	5	3	3	46
85°	9	6	1	0	0	11
90°	0	0	0	0	0	



TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	899.1	895.8	898.0	893.6	899.1	893.6	894.7	895.8	894.7	895.8	896.9
5°	889.3	886.0	889.3	883.8	889.3	886.0	886.0	887.1	887.1	888.2	889.3
7.5°	876.2	872.9	876.2	870.8	877.3	874.0	874.0	876.2	875.1	876.2	878.4
10°	861.0	856.6	859.9	856.6	863.2	858.8	861.0	861.0	861.0	864.2	866.4
12.5°	844.7	840.3	844.7	839.2	845.7	842.5	843.5	846.8	847.9	850.1	851.2
15°	828.3	822.9	825.0	821.8	828.3	825.0	826.2	830.5	830.5	833.8	837.0
17.5°	807.7	803.3	807.7	803.3	808.7	806.5	808.7	812.0	812.0	815.3	818.5
20°	789.1	784.8	788.0	784.8	791.3	788.0	789.1	793.5	794.6	797.8	801.1
22.5°	766.3	763.0	765.2	761.9	768.4	766.3	767.4	771.7	772.8	775.0	780.4
25°	742.3	735.8	739.1	736.9	743.4	740.2	742.3	746.7	748.9	752.1	756.5
27.5°	707.5	704.2	706.4	706.4	711.8	708.6	709.7	714.0	717.3	720.6	726.0
30°	671.6	666.2	668.3	669.4	673.8	671.6	673.8	678.1	679.2	683.5	687.9
32.5°	625.9	623.7	628.0	625.9	628.0	628.0	629.1	632.4	634.6	636.8	642.2
35°	576.9	572.5	576.9	574.7	580.2	576.9	580.2	583.4	583.4	587.8	591.0
37.5°	523.5	518.1	520.3	520.3	522.4	521.4	521.4	526.8	527.9	531.2	534.4
40°	460.4	458.2	462.6	461.5	462.6	462.6	463.7	466.9	469.1	470.2	471.3
42.5°	403.8	404.9	406.0	406.0	406.0	406.0	406.0	410.3	409.3	412.5	413.6
45°	357.0	352.7	354.8	353.8	357.0	353.8	357.0	360.3	358.1	361.4	359.2
47.5°	309.1	309.1	309.1	308.0	310.2	309.1	311.3	312.4	312.4	312.4	311.3
50°	271.0	267.8	268.8	268.8	269.9	268.8	271.0	272.1	272.1	269.9	265.6
52.5°	234.0	232.9	232.9	235.1	235.1	234.0	234.0	234.0	234.0	230.8	228.6
55°	203.6	201.4	202.4	202.4	202.4	202.4	203.6	202.4	202.4	199.2	195.9
57.5°	176.3	174.2	174.2	174.2	175.2	174.2	174.2	174.2	173.1	169.8	165.4
60°	150.2	149.1	150.2	150.2	151.3	150.2	150.2	150.2	148.0	144.8	140.4
62.5°	128.4	128.4	128.4	129.5	129.5	128.4	128.4	127.3	126.3	121.9	117.6
65°	109.9	108.8	109.9	109.9	111.0	111.0	109.9	108.8	107.8	103.4	99.1
67.5°	91.4	90.3	91.4	91.4	92.5	91.4	91.4	91.4	88.2	86.0	81.6
70°	74.0	72.9	72.9	72.9	74.0	71.8	72.9	72.9	70.8	67.5	63.1
72.5°	56.6	56.6	56.6	56.6	56.6	56.6	55.5	55.5	53.3	50.1	47.9
75°	41.4	41.4	42.4	42.4	41.4	41.4	41.4	40.3	39.2	37.0	34.8
77.5°	30.5	30.5	30.5	30.5	29.4	29.4	29.4	28.3	27.2	26.1	23.9
80°	21.8	21.8	21.8	20.7	21.8	20.7	20.7	20.7	18.5	17.4	16.3
82.5°	15.2	14.2	14.2	14.2	14.2	14.2	14.2	13.1	13.1	12.0	10.9
85°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	7.6	6.5	6.5
87.5°	4.3	5.4	5.4	5.4	5.4	5.4	5.4	4.3	4.3	4.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	896.9	896.9	899.1	895.8	901.3	898.0	896.9	902.3	899.1	898.0	900.2
5°	889.3	890.4	891.4	889.3	894.7	891.4	891.4	896.9	894.7	893.6	896.9
7.5°	879.5	880.6	882.7	881.7	886.0	883.8	884.9	890.4	888.2	888.2	891.4
10°	867.5	869.7	871.9	871.9	877.3	875.1	875.1	881.7	879.5	880.6	884.9
12.5°	853.3	856.6	859.9	861.0	866.4	863.2	864.2	871.9	870.8	871.9	876.2
15°	838.1	842.5	845.7	845.7	852.3	849.0	852.3	859.9	857.7	862.0	867.5
17.5°	820.7	825.0	829.4	830.5	837.0	834.8	839.2	846.8	846.8	849.0	855.5
20°	804.4	809.8	812.0	815.3	821.8	820.7	822.9	831.6	831.6	834.8	841.4
22.5°	782.6	788.0	792.4	795.7	801.1	801.1	804.4	812.0	812.0	814.2	820.7
25°	758.7	765.2	768.4	771.7	777.2	776.1	779.3	785.9	786.9	789.1	795.7
27.5°	728.2	733.6	738.0	740.2	747.8	743.4	746.7	754.3	753.2	755.4	760.8
30°	690.1	695.5	699.9	699.9	706.4	706.4	709.7	712.9	712.9	715.1	719.5
32.5°	645.4	652.0	652.0	655.3	659.6	655.3	659.6	663.9	661.8	665.0	668.3
35°	594.3	597.6	598.7	598.7	601.9	600.8	599.7	603.0	600.8	606.3	609.5
37.5°	532.3	536.6	534.4	536.6	535.5	532.3	532.3	537.7	533.3	534.4	537.7
40°	472.4	472.4	471.3	465.9	466.9	463.7	462.6	463.7	459.3	458.2	462.6
42.5°	410.3	409.3	406.0	398.4	399.4	394.0	389.7	389.7	387.5	386.4	387.5
45°	354.8	351.6	346.1	337.4	335.2	330.9	322.2	320.0	316.7	316.7	317.8
47.5°	303.7	299.3	290.6	280.8	275.4	269.9	261.2	257.9	252.5	250.3	252.5
50°	261.2	253.6	242.7	228.6	223.1	216.6	207.9	202.4	197.0	194.8	193.7
52.5°	222.1	211.2	200.3	182.9	178.5	172.0	160.0	154.6	149.1	144.8	144.8
55°	188.3	178.5	163.3	146.9	140.4	133.9	121.9	114.3	108.8	106.7	104.5
57.5°	157.8	146.9	132.8	115.4	108.8	102.3	90.3	82.7	77.3	74.0	71.8
60°	132.8	120.8	106.7	91.4	83.8	77.3	65.3	57.7	52.2	49.0	46.8
62.5°	108.8	99.1	84.9	70.8	64.2	57.7	47.9	40.3	34.8	32.7	29.4
65°	91.4	81.6	68.6	56.6	51.2	44.6	35.9	29.4	25.0	21.8	19.6
67.5°	74.0	66.4	55.5	44.6	39.2	34.8	27.2	21.8	17.4	15.2	14.2
70°	58.8	51.2	42.4	33.7	30.5	26.1	20.7	15.2	13.1	10.9	9.8
72.5°	43.6	38.1	31.6	25.0	21.8	19.6	14.2	12.0	8.7	7.6	6.5
75°	31.6	27.2	22.8	17.4	15.2	14.2	10.9	7.6	6.5	5.4	4.3
77.5°	21.8	19.6	15.2	12.0	10.9	9.8	7.6	5.4	4.3	3.3	3.3
80°	14.2	12.0	9.8	7.6	7.6	6.5	4.3	3.3	3.3	2.2	2.2
82.5°	8.7	7.6	6.5	5.4	4.3	4.3	3.3	2.2	2.2	1.1	1.1
85°	5.4	4.3	3.3	3.3	2.2	2.2	2.2	1.1	1.1	1.1	1.1
87.5°	2.2	2.2	2.2	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	900.2	900.2	902.3	899.1	901.3	901.3	903.4	899.1	901.3	902.3	904.5
5°	895.8	896.9	899.1	898.0	899.1	899.1	901.3	895.8	900.2	900.2	903.4
7.5°	891.4	891.4	893.6	892.5	894.7	895.8	898.0	893.6	898.0	898.0	901.3
10°	886.0	886.0	889.3	888.2	891.4	892.5	895.8	891.4	895.8	896.9	900.2
12.5°	878.4	879.5	882.7	882.7	886.0	888.2	891.4	889.3	894.7	895.8	900.2
15°	869.7	871.9	876.2	875.1	878.4	881.7	886.0	882.7	890.4	892.5	896.9
17.5°	858.8	861.0	864.2	864.2	867.5	869.7	875.1	872.9	879.5	880.6	886.0
20°	842.5	845.7	850.1	849.0	852.3	854.4	858.8	856.6	863.2	865.3	870.8
22.5°	822.9	825.0	828.3	828.3	831.6	833.8	838.1	834.8	841.4	842.5	846.8
25°	796.8	798.9	801.1	802.2	805.4	806.5	808.7	806.5	812.0	813.1	818.5
27.5°	763.0	764.1	767.4	767.4	769.5	770.6	773.9	769.5	777.2	777.2	780.4
30°	722.7	721.7	726.0	723.8	726.0	726.0	729.3	727.1	732.5	730.4	733.6
32.5°	669.4	671.6	671.6	669.4	673.8	672.7	672.7	670.5	673.8	674.8	677.0
35°	607.4	610.6	610.6	611.7	612.8	609.5	610.6	604.1	609.5	610.6	611.7
37.5°	539.9	536.6	538.8	535.5	540.9	534.4	534.4	530.1	534.4	534.4	535.5
40°	462.6	461.5	463.7	461.5	460.4	459.3	457.2	453.9	458.2	456.1	459.3
42.5°	389.7	388.6	388.6	386.4	385.3	385.3	383.2	380.9	379.9	379.9	385.3
45°	314.6	316.7	314.6	313.5	315.7	313.5	314.6	310.2	312.4	310.2	312.4
47.5°	251.4	252.5	250.3	248.2	251.4	248.2	248.2	244.9	249.3	249.3	247.1
50°	194.8	193.7	191.6	193.7	192.7	192.7	192.7	189.4	191.6	188.3	190.5
52.5°	143.7	142.6	142.6	141.5	142.6	141.5	141.5	140.4	140.4	139.3	140.4
55°	104.5	103.4	101.2	101.2	101.2	102.3	101.2	100.2	100.2	99.1	100.2
57.5°	70.8	68.6	68.6	68.6	68.6	67.5	67.5	66.4	67.5	66.4	67.5
60°	45.7	45.7	43.6	43.6	43.6	43.6	43.6	42.4	43.6	43.6	43.6
62.5°	28.3	28.3	27.2	26.1	27.2	26.1	26.1	26.1	27.2	26.1	27.2
65°	18.5	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
67.5°	13.1	12.0	12.0	12.0	12.0	12.0	12.0	10.9	12.0	12.0	12.0
70°	8.7	8.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	4.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P684085

CATALOG NUMBER: LX6C15D010 EX6C159050 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	901.3	901.3	901.3	901.3	901.3	901.3	901.3	901.3
2.5°	901.3	902.3	900.2	901.3	899.1	901.3	902.3	904.5
5°	899.1	900.2	898.0	900.2	898.0	900.2	901.3	903.4
7.5°	896.9	899.1	896.9	899.1	896.9	899.1	900.2	902.3
10°	896.9	900.2	898.0	901.3	898.0	900.2	902.3	903.4
12.5°	896.9	900.2	899.1	901.3	900.2	902.3	904.5	906.7
15°	894.7	898.0	895.8	899.1	898.0	899.1	903.4	903.4
17.5°	882.7	886.0	886.0	888.2	888.2	891.4	893.6	895.8
20°	867.5	870.8	869.7	872.9	872.9	876.2	878.4	880.6
22.5°	844.7	849.0	847.9	851.2	850.1	852.3	856.6	855.5
25°	815.3	820.7	819.6	821.8	820.7	820.7	822.9	823.9
27.5°	779.3	782.6	781.5	783.7	781.5	783.7	785.9	786.9
30°	732.5	734.7	733.6	734.7	733.6	735.8	736.9	739.1
32.5°	675.9	679.2	675.9	678.1	677.0	677.0	681.4	679.2
35°	608.4	609.5	610.6	610.6	608.4	609.5	611.7	611.7
37.5°	533.3	538.8	532.3	535.5	534.4	534.4	534.4	537.7
40°	455.0	456.1	453.9	453.9	453.9	452.8	457.2	456.1
42.5°	380.9	382.1	380.9	377.7	378.8	378.8	382.1	377.7
45°	309.1	311.3	310.2	310.2	308.0	308.0	309.1	306.9
47.5°	244.9	247.1	243.8	244.9	242.7	244.9	243.8	246.0
50°	186.1	188.3	187.2	188.3	188.3	186.1	189.4	185.0
52.5°	139.3	140.4	139.3	138.2	137.2	137.2	139.3	138.2
55°	99.1	97.9	97.9	97.9	99.1	99.1	97.9	96.9
57.5°	66.4	66.4	65.3	65.3	66.4	64.2	65.3	64.2
60°	42.4	42.4	42.4	42.4	41.4	42.4	42.4	42.4
62.5°	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
65°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
67.5°	10.9	12.0	12.0	12.0	10.9	10.9	10.9	10.9
70°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
75°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)